



CARLETON UNIVERSITY

Ottawa, Ontario

Canada

*127th Convocation
Installation of the President and Vice-Chancellor
David W. Atkinson
Saturday, November 12, 2005*



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Carleton University
2005 Fall Convocation

Convocation at Carleton University	2
Saturday, November 12, 2:00 p.m.	
President and Vice-Chancellor David W. Atkinson	6
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Doctor of Philosophy from the Faculty of Engineering and Design and the Faculty of Science; Master of Applied Science; Master of Engineering; Master of Science; Master of Computer Science; Master of Architecture; Bachelor of Architectural Studies; Bachelor of Engineering; Bachelor of Science (Honours); Bachelor of Science; Bachelor of Mathematics (Honours); Bachelor of Mathematics; Bachelor of Computer Science (Honours)	
Medallists in the Graduating Class	20

The Convocation ceremony (the calling together of the academic assembly) has its roots in university traditions of medieval Europe.

The Mace

The mace is a staff symbolizing authority. In the days of knighthood, it was a weapon, but after the 16th century it became solely a symbol of authority carried by a distinguished member of an assembly. It is used on ceremonial occasions to signify the right of an individual or institution to perform a certain function—in the case of universities, to grant degrees.

At Convocation, the mace is carried ahead of the Chancellor as he enters and leaves each ceremony. During the ceremony the mace is displayed on a special stand as an embodiment of the authority of the University.

Carleton's mace was presented to the University in 1976 as a gift from the Chair of the Board of Governors at that time, Mr. Hyman Soloway. It is a silver-plated staff approximately three feet long. At the upper end there is a bowl marked with the University's coat of arms and the University motto in both Latin and English—"Opera Nobis Aeterna" and "Ours the Task Eternal." From the upper portion of the bowl rises a phoenix. Traditional oak leaves surround the lower end of the staff.

Coat of Arms

The coat of arms was presented to the University by His Excellency The Right Honourable Ramon John Hnatyshyn, Governor General of Canada, on November 15, 1992, as part of Carleton's 50th anniversary celebrations. It is described in heraldic terms as follows: "Sable a maple leaf Gules irradiated and charged with an open book Argent; And for a Crest: on a wreath Argent Sable and Gules a Phoenix Gules quilled and beaked Or issuing from flames proper; And for a Motto: Ours the Task Eternal; And for Supporters: on a grassy mount on either side a raven Sable beaked and membered or armed Gules."

The open book on the maple leaf signifies that Carleton University is in the nation's capital and that learning is open to all who wish to partake of it. The phoenix, the legendary eternal bird, symbolizes the renewing of learning from older foundations, in recognition of Henry Marshall Tory's role in the founding of the University when he was 78 years old. "Ours the Task Eternal" is taken from a Walt Whitman poem entitled "Pioneers" and ties in with the eternal quality of the phoenix.

And so, the Carleton University coat of arms symbolizes sound learning, good citizenship, and the highest hopes of humanity.

The Diploma

The diploma the graduates receive at Convocation is the certificate of qualification which publishes the fact that the student has fulfilled all the requirements and completed the prescribed course of study for the degree. As the senior academic legislative body of the University, it is the Senate which has determined whether the requirements have been met. The signatures of both the Chancellor and the President of the University appear on the diploma: the Chancellor because of his role in conferring the degree, and the President who, as Chair of Senate, certifies that Senate has enacted the required motion to award the degree. The Seal of the University is affixed to the diploma as a mark of authentication.

Academic Dress

The academic dress of Carleton University results from a compromise between that found in the ancient foundations of Britain and Canada and the American Intercollegiate Code. All three hoods—bachelor's, master's, and doctor's—are of the simple or Oxford shape. The bachelor's hood is made of black stuff; the master's and doctor's are made of black silk and all are lined with silver silk with two chevrons, one of red and one of black. From bachelor's to doctor's, the hoods are progressively longer and opened to show more and more of the lining.

The velvet border of the hoods denotes the degrees granted according to the following colour combinations: applied science is orange with a black cord sewn slightly in from the lower border; architecture is cerise; architectural studies is cerise with a black cord sewn slightly in from the lower border; arts is white; commerce is camel brown; computer science is royal blue; engineering is orange; humanities is white with a red cord sewn slightly in from the lower border; industrial design is dark cardinal; international business is camel brown with a red cord sewn slightly in from the lower border; journalism is white with a black cord sewn slightly in from the lower border; management studies and business administration is camel brown with a black cord sewn slightly in from the lower border; mathematics is hunter green; music is venetian pink; public administration is peacock blue; public affairs and policy management is teal with a gold cord sewn slightly in from the lower border; science is golden yellow; social work is cream; and doctor of philosophy is purple.

The master's and bachelor's gowns, to be worn with the above hoods, are of full length, made of black stuff, with a gathered yoke behind, and long open-fronted sleeves. The doctoral gown is of full-style, made of fine royal blue cloth with facings of light blue silk, with a full gathered yoke behind, and closed sleeves with an opening at the elbows.

The two shades of blue in the doctoral gown are those of the United Nations, and are meant to recognize the University's long-standing interest, from its earliest years, in international affairs and issues. The colours were chosen when the University awarded its first honorary degree, in 1954, to the second Secretary-General of the United Nations, the late Dag Hammarskjöld. The tradition of awarding honorary degrees to Secretaries-General of the United Nations has continued since that time.

The gown of the honorary Doctor of Laws, Literature, Music, Science, Engineering, Architecture or Fine Arts is a full robe with bell-shaped sleeves. It is made of fine royal blue cloth with facings and sleeves in light blue silk. The hood is made of the same material as the gown, has the same lining as that for the degrees granted by examination, and is bordered with dark mauve for the degree of Doctor of Laws; vibrant blue for the degree of Doctor of Literature; venetian pink for the degree of Doctor of Music; red for the degree of Doctor of Science; orange for the degree of Doctor of Engineering; cerise for the degree of Doctor of Architecture; and dark cardinal for the degree of Doctor of Fine Arts.

The Presiding Officer of the Convocation Ceremonies is the Chancellor of the University, Marc Garneau, C.C., C.D., B.Sc., Ph.D., LL.D., P.Eng.

Accompanying him on the podium are Margaret Bloodworth, B.A., LL.B., Chair of the Board of Governors, and David W. Atkinson, B.A., M.A., Ph.D., President and Vice-Chancellor.

Assisting the Chancellor are:

Brian C. Mortimer, B.Sc., M.Sc., Ph.D.
Associate Professor of Mathematics
Assistant Provost and Clerk of Senate
and Marshal of Convocation

Robert C. Burk, B.Sc., M.Sc., Ph.D.
Associate Professor of Chemistry
Director of the College of Natural Sciences
and Associate Marshal of Convocation

Donald L. Bailey, B.Eng., M.Eng.
Instructor in Engineering
and Beadle of Convocation

Frederick A. Michel, B.Sc., M.Sc., Ph.D.
Associate Professor of Earth Sciences
and Environmental Science
and Beadle of Convocation

Bryan Tinlin, B.A., M.E.S.
Academic Adviser, Student Academic Success Centre
and Beadle of Convocation

Cathy Pearen
Deputy Clerk of Senate and Ceremonials Officer

Tony Begin
Special Events Co-ordinator
University Communications

Carleton University is a national leader in providing high-quality post-secondary education to over 23,000 full- and part-time students at the undergraduate and graduate levels. Located in Canada's capital, Carleton has revitalized its commitment to academic excellence in public affairs and management and high technology while continuing to offer strong degree programs in arts, social sciences, science, and engineering and design.

Also assisting at Convocation:

Suzanne Blanchard, B.Comm.
University Registrar

Linda Backer
Assistant Dean/Registrar
Faculty of Graduate Studies and Research

Carol Corkran, Co-ordinator
Graduate Registrarial Services
Faculty of Graduate Studies and Research

Judy Bowman
Jennifer Comeau
Maureen Fagan
Christina Farago
Lee Hull, B.A.
Registrarial Assistants, Faculty of Graduate Studies
and Research

Lisa Ralph, Associate Registrar
Registrar's Office

Dianne Baird
Andrew Breedyk, B.P.A.
Elizabeth Carrier
Jerrett Clark, B.A.
Louise DeCristoforo
Susan Dunsmore
Dina Elatawi, B.A.
Dotty Guoti, B.A.
Lera Islam, B.A.
Kathleen Kazmierczak, B.A.
Carolyn Kibsey, B.A.
Valentina Leon, B.A.
William Miklas
Judy Sakell, B.Comm.
Judith Srna, B.A.
Chandra Stratton, B.A.
Janice Taylor
Lisa Tsotroudis, B.A.
Jeffrey Wiser
Registrar's Office

Wanda Jackson
Pamela Mallon
Office of the President

Ann Anderson, B.A.
Nanci Jolicoeur
Lin Moody, B.J., M.A.
Cindy Robinson, B.A., M.A.
University Communications

Brynna Leslie, B.J.
Kathleen Nicholson, B.A.
Chana Perera, M.A.
Carleton University Alumni Association

Margo Thomas
Senate Office



David W. Atkinson

David W. Atkinson,
B.A., M.A., Ph.D.

David W. Atkinson was born in England but immigrated to Canada with his parents when very young. His family first lived in Saskatchewan but soon moved to Calgary, Alberta, where Atkinson grew up. He attended Indiana University on an athletic scholarship, where he was an NCAA All-American in Cross Country. Atkinson completed his B.A. at the University of Calgary and subsequently went on to earn an M.A. and Ph.D. in English.

Dr. Atkinson was a faculty member at the University of Lethbridge from 1976 to 1991, where he took on increasingly senior administrative positions, including Chair of the Department of Religious Studies, Associate Dean of Arts and Science, Dean of Student Affairs, and Associate Vice-President (Academic). During this period, he was also Visiting Professor of Canadian Studies at Hokkaido University in Sapporo, Japan. In 1991, he was appointed Dean of Arts and Science at the University of Saskatchewan. In 1997, he was appointed the fourth President of Brock University, a position he held until his arrival at Carleton. Dr. Atkinson was appointed President and Vice-Chancellor of Carleton University on August 1, 2005.

Saturday, November 12, 2:00 p.m.

Chancellor Marc Garneau, C.C., C.D., B.Sc., Ph.D., LL.D., P.Eng., presiding.

(The audience is requested to stand when the Academic Procession arrives, to remain standing until 'O Canada' has been sung, and at the conclusion of the ceremony to remain until the Academic Procession has left.)

Processional Music

John Robert Coghill Jr., B.Mus. (bagpipes)

Garry Matthews (snare drum)

Craig Moffatt (bagpipes)

O Canada*

(the audience is invited to sing)

Welcome by the Master of Ceremonies

Alan Harrison, B.A., M.A., Ph.D.

Provost and Vice-President (Academic)

Welcome by the Chancellor

Welcome by the Chair of the Board of Governors

Margaret Bloodworth, B.A., LL.B.

The Oath of Office will be administered to David William Atkinson, B.A., M.A., Ph.D., President and Vice-Chancellor, by the Chair of the Board of Governors.

THE CHAIR OF THE BOARD OF GOVERNORS WILL ASK:

Do you, David William Atkinson, promise to perform the duties of President and Vice-Chancellor of Carleton University as prescribed by law and by the statutes of the University, and do you pledge that you will defend the rules and promote the welfare of the University and the members thereof?

THE PRESIDENT-DESIGNATE WILL RESPOND:

I do.

THE CHAIR OF THE BOARD OF GOVERNORS WILL SAY TO THE CHANCELLOR:

Mr. Chancellor, on behalf of the Board of Governors and the Senate, I ask you to install David William Atkinson as President and Vice-Chancellor of Carleton University.

Installation of the President and Vice-Chancellor by the Chancellor of the University

THE CHANCELLOR WILL SAY:

In the name of Carleton University, I now install you, David William Atkinson, in the office of President and Vice-Chancellor of Carleton University, and I invest you with the authority and charge you with the responsibilities pertaining to that office. I now call upon Sarah Casteel and Dana Dragunoiu, representing the Department of English Language and Literature, to robe you.

Robing of the President and Vice-Chancellor

by Sarah Casteel, B.A., M.A., M.Phil., Ph.D., Assistant Professor of English Language and Literature, and Dana Dragunoiu, B.A., M.A., Ph.D., Assistant Professor of English Language and Literature.

Address of the President and Vice-Chancellor

Conferring of Degrees by Examination

Warrant

Brian Mortimer, B.Sc., M.Sc., Ph.D.

Clerk of Senate

Awarding of the Medals

Remarks of the Alumni Association

Maurice W. Quinn, B.Eng.

Conclusion by the Master of Ceremonies

Recessional Music

**see next page for wording*

*O Canada! Our home and native land!
True patriot love in all thy sons command.
With glowing hearts we see thee rise,
The True North strong and free!
From far and wide, O Canada,
We stand on guard for thee.
God keep our land glorious and free!
O Canada, we stand on guard for thee.
O Canada, we stand on guard for thee.*

*O Canada! Terre de nos aïeux,
Ton front est ceint de fleurons glorieux.
Car ton bras sait porter l'épée,
Il sait porter la croix.
Ton histoire est une épopée,
Des plus brillants exploits.
Et ta valeur, de foi trempée,
Protégera nos foyers et nos droits.
Protégera nos foyers et nos droits.*

Doctor of Philosophy

*(presented by Professor Roger Blockley,
Dean of the Faculty of Graduate
Studies and Research)*

Daniel Corriveau

B.Eng., M.Eng.

Aerospace Engineering
Influence of Loading Distribution
on the Performance of High Pressure
Turbine Blades
Supervisor: S. A. Sjolander

Stephen Keir Roberts

B.Eng., M.App.Sc.

Aerospace Engineering
Boundary Layer Transition in
Attached and Separated Flows at
Low Reynolds Numbers
Supervisor: M.I. Yaras

Vietanh Phung

B.Civil Eng., M.Eng.

Civil Engineering
Strong Ground Motions for Bridge
Design and Non-Linear Dynamic
Response Analysis of Bridges
Supervisors: G. Atkinson and
D. T. Lau

Sarah Jayne Taylor

B.Eng., M.App.Sc.

Civil Engineering
Development of a Bayesian Decision
Theory Framework to Enhance the
Design of Rear-End Collision
Warning Systems
Supervisors: A. Khan and S. Easa

Rony Everildo Amaya

B.Eng., M.Eng.

Electrical Engineering
Overcoming the Limitations of
Silicon MMICs
Supervisors: C. Plett and N. G. Tarr

Saied Hemati

B.Sc., M.Sc.

Electrical Engineering
Iterative Decoding in Analog VLSI
Supervisors: C. Plett and
A.H. Banihashemi

Reza Kalbasi

B.Sc., M.Sc.

Electrical Engineering
Frequency Domain Processing
for Multiple Input Multiple Output
Channels
Supervisors: D.D. Falconer and
A.H. Banihashemi

Charn Leung David Lo

B.Eng.Sc., M.Eng.Sc.

Electrical Engineering
Multimodal Talker Localization in
Video Conferencing Systems
Supervisors: R. Dansereau and
R. Goubran

Gerardo Romo Luévano

B.Sc., M.App.Sc., M.Sc.

Electrical Engineering
Time-Domain Simulation of
Electromagnetic Band-Gap
Structures Using the TLM Method
Supervisor: T. Smy

Amgad Salama

B.Sc., M.Eng.

Environmental Engineering
Theoretical, Experimental and
Numerical Investigation of Flow and
Solute Transport in Saturated Porous
Media Subjected to Violation to the
Continuum Hypothesis
Supervisor: P. Van Geel

Dianjun Yao

B.Sc., M.Sc.

Chemistry
Studies on the Structure and
Morphology of Perylene Containing
Polymers
Supervisor: P. Sundararajan

Jo-Anne Stafford Goodwin-Bell

B.Sc., M.Sc.

Earth Sciences
Metamorphic Petrology of Siliceous
Marbles and Associated Gneissic
Rocks in the Grenville Province of
Southeastern Ontario
Supervisor: G. Skippen

Taeke Thomas Hadlari

B.Sc.

Earth Sciences
Sedimentology and Sequence
Stratigraphy of the Baker Lake
Sub-Basin, Nunavut: Evolution of a
Paleoproterozoic Rift Basin
Supervisors: R. Rainbird and
J. A. Donaldson

Alana Maxine Hinchey

B.Sc., M.Sc.

Earth Sciences
Thor-odin Dome: Constraints on
Paleocene- Eocene Anatexis and
Deformation, Leucogranite
Generation and the Tectonic
Evolution of the Southern Omineca
Belt, Canadian Cordillera
Supervisor: S. Carr

Yuliya Martsynyuk

B.Math., M.Math.

Mathematics
Invariance Principles via
Studentization in Linear Structural
and Functional Error-in-Variables
Models
Supervisor: M. Csörgő

Biao Wu

B.Sc., M.Econ.

Mathematics
Interacting Systems and
Subordinated Systems in Time-
Varying and Random Environments
Supervisor: D. Dawson

Lesley Ann Buckley

B.Sc., M.Sc.

Physics
Specialization in Medical Physics
An EGSnrc Investigation of
Correction Factors for Ion Chamber
Dosimetry
Supervisor: D. Rogers

Richard Wassenaar

B.Sc.

Physics
Specialization in Medical Physics
Extravascular Density Imaging for
Regional Partial Volume Correction
of ¹⁸FDG Cardiac PET Images
Supervisor: R. deKemp

Master of Applied Science

*(presented by Professor Roger Blockley,
Dean of the Faculty of Graduate
Studies and Research)*

John Andrew Carryer

B.Sc.

Aerospace Engineering
Intelligent Agent Control of an
Unmanned Aerial Vehicle

Roni Daher

B.Eng., M.Eng.

Aerospace Engineering
Application of Artificial Intelligence
in Gas Turbine Control and
Modelling

Mihaela Jekic

B.Eng.

Aerospace Engineering
Development of an Infrared
Absorption Tomography Instrument
for Temporally and Spatially
Resolved Fuel Concentration
Measurements

Stephen Christopher Kenny

B.Eng.

Aerospace Engineering
Development of a Multi-Disciplinary
Design Tool for Axial Flow Turbines

Aaron Kombai Knoll

B.Eng.

Aerospace Engineering
Simulation of High Frequency
Plasma Oscillations Within Hall
Thrusters

Ivan Popovic

B.Eng.

Aerospace Engineering
Measured Steady and Unsteady
Aerodynamic Performance of a
Family of Three Highly-Loaded Low-
Pressure Turbine Cascades

Andrew Allan Bryan Cameron Rader

B.Eng.

Aerospace Engineering
Optimization of Piezoelectric
Actuator Configuration on a Flexible
Fin for Vibration Control Using
Genetic Algorithms

Mohammad Alauddin Ahammed

B.Sc.

Civil Engineering
Freeway Merging Behaviour and
Safety of Acceleration Lanes: Field
Study

Shougui Huang

B.Eng.

Civil Engineering
Modal Testing and Model Updating
of a Steel Bridge Pier Frame

Paramaguru Logeswaran

B.Sc.

Civil Engineering
Behaviour of Sands Under
Simultaneous Changes in Volume and
Pore Pressure

Ahmed Abo El -Khair Bayoumy

Mostafa

B.Sc.

Civil Engineering
Development of a New FRP Anchor
for Externally Bonded CFRP Sheet/
Laminate to Beams

Liaquat-Ali Syed

B.Eng.

Civil Engineering
Experimental Investigation of
Vehicle's Lateral Acceleration on
Highway Horizontal Curves

Justin Philip Abbott

B.Eng.

Electrical Engineering
A High Frequency Receive Equalizer

Richard Michel Alexandre Abela

B.Eng.

Electrical Engineering
Characteristics and Performance
of Various VDSL RFI Suppression
Techniques

Samer Abielmona

B.Appl.Sc.

Electrical Engineering
Investigation of Low Phase Noise
Microwave Oscillators with LTCC
Integration

Ahmed Humaid Alsuwaidi

B.Sc.

Electrical Engineering
Evaluation of Two Wireless
Communication Standards for Public
Safety and Security (PSS) Networks

Neal Arthorne

B.Eng.

Electrical Engineering
Peer-to-Peer Data Integration Using
Distributed Bridges

Bengu Bala Balya

B.Sc., M.Sc.

Electrical Engineering
An Enhanced OSPF Routing Protocol
in Wireless Mesh Networks with
Rayleigh/Ricean Fading

Alexander Scott Campbell

B.Sc.

Electrical Engineering
Improvements to Stochastic Multiple
Model Adaptive Control: Hypothesis
Test Switching and a Modified Model
Arrangement

James Chiu

B.Eng.

Electrical Engineering
A Fully Differential CMOS Charge
Pump and VCO at High Frequency

Nian Nian Ding

B.Eng.

Electrical Engineering
Data Gathering and Communication
for Wireless Sensor Networks Using
Ant Colony Optimization

Jacek Piotr Dmochowski

B.Eng.

Electrical Engineering
Combined Beamforming and Noise
Cancellation

Bin Dong

B.Eng., M.Eng.

Electrical Engineering
The Impact of UML Documentation
on Software Maintenance: An
Experimental Evaluation

Mark Philip Houlgate

B.Eng.

Electrical Engineering
Adaptable MOS Current Mode Logic
for Multi-Band Frequency
Synthesizers

Stephen Huge Knox

B.Eng.

Electrical Engineering
A Low Voltage 5.2 GHz LNA with an
On-Chip Tunable Image Filter

Kevin Lam

B.Eng.

Electrical Engineering
A Scene Learning and Recognition
Framework for RoboCup Clients

Hui Li

B.Eng., M.Eng.

Electrical Engineering
Assessment of Two AI Approaches
to Predict Mortality in Adult
Intensive Care Units

Frédéric Massicotte

B.Sc., M.Sc.

Electrical Engineering
Using Object-Oriented Modeling for
Specifying and Designing a Network-
Context Sensitive Intrusion Detection
System

Igor Miletic

B.Eng.

Electrical Engineering
Quantization Noise Reduction in
PLLs Using Multiphase VCOs

Asif Muhammad

B.Sc.

Electrical Engineering
Load Sharing in Call Server Clusters

Natalie M. Nakhla

B.Eng.

Electrical Engineering
Analytical Algorithms for
Macromodeling and Sensitivity
Analysis of High-Speed
Interconnects

Hitaish Sharma

B.Appl.Sc.

Electrical Engineering
Automated Time Domain Modeling
of Linear and Nonlinear Microwave
Circuits Using Recurrent Neural
Networks

Gurpreet Shinh

B.Eng.

Electrical Engineering
Closed-Form Macromodels for
Analysis of High-Speed
Interconnects in the Presence of
Electromagnetic Fields

Yasser Khairat Soliman

B.Sc.

Electrical Engineering
A CMOS Low Noise Amplifier
for Impulse Radio Ultra-Wideband
Applications

Michal Marcin Sówka

B.Eng.

Electrical Engineering
Technique and Automation for
Testing of Commercial-off-the-Shelf
Components

Adrian Alexander Taylor

B.Sc.

Electrical Engineering
Synthetic Doppler for Precise Indoor
Geolocation

Hua Yang

B.Eng.

Electrical Engineering
Modeling of Needle Insertion Forces
for Haptics-based Surgical
Simulation

Kai Guo

B.Eng.

Materials Engineering
Fatigue Analysis of Laser-Welded
Aircraft Structures

Ba He

B.Eng.

Materials Engineering
Computer Modeling of Weld Joint
Microstructure and Residual
Stresses

Wei Xu

B.Eng.

Materials Engineering
The Influence of Chemical
Composition and Heat Treatment
on Microstructure and Mechanical/
Tribological Properties of Cobalt-
based Triballoy Alloys

Yanjuan Zhao

B.Eng.

Materials Engineering
Testing a Criterion for Dislocation
Nucleation Using Molecular
Dynamics Simulations of Nano-
Indentation

Daniel Pierre Brassard

B.Eng.

Mechanical Engineering
A 2D Transverse Vortex Wind Tunnel
for PIV Investigation of Airfoil Vortex
Interaction

Marc Robert Joseph Charest

B.Eng.

Mechanical Engineering
Design Methodology for a Lean
Premixed Prevaporized Can
Combustor

Timothy Johnson Luu

B.Appl.Sc.

Mechanical Engineering
Integrated Type and Approximate
Dimensional Synthesis of Four-Bar
Planar Mechanisms for Rigid Body
Guidance

Jie Qu

B.Sc., M.Eng.

Mechanical Engineering
T-Stress Solutions for Three-
Dimensional Cracked Components

Ishraq Shabib

B.Sc.

Mechanical Engineering
Multiscale Modeling of the
Indentation of Nickel-Aluminum
Nano-layers

Romeo-Florin Stanescu

B.Eng.

Mechanical Engineering
A Single Pass Butt-Welded Pipe
Finite Element Method Computer
Simulation

Master of Engineering

*(presented by Professor Roger Blockley,
Dean of the Faculty of Graduate
Studies and Research)*

John Bernard Holland

B.Sc.

Aerospace

Osman Mahmoud Ali

B.Sc.

Civil

Ying Hu

B.Eng., M.Sc.

Civil

Jiewu Li

B.Eng., M.Eng.

Civil

Mahmud Akhter Shareef

B.Sc., M.B.A.

Civil

Arun Kumar Singh

B.Tech.

Civil

Mona M. N. Eskander

B.Sc.

Electrical

Thomas Olivier Pierre Fletcher

B.Eng.

Electrical

Sandeep Singh

B.Sc., Dip.

Environmental

Irfan Ahmad

B.Sc.

Telecommunications Technology
Management
Commercialization Strategy and
Performance of Technology Startups

Owais Iqbal Ahmed

B.Eng.

Telecommunications Technology
Management
Migrating from Proprietary to Open
Source Learning Content
Management Systems

Muhammad Ashraf

B.Sc.

Telecommunications Technology
Management
Using Theoretical Perspectives
to Examine the Adoption of Mobile
Internet and Wireless Payments
Services

Alexander (Sandy) George Davidson

B.Eng.

Telecommunications Technology
Management
Early Stage Resource Allocation in
Specialized Supplier Firms

Dinesh Mohan

B.Eng.

Telecommunications Technology
Management
Standards Creation Involvement in
a Large Telecom Product
Development Company: A Grounded
Theory

Master of Science

*(presented by Professor Roger Blockley,
Dean of the Faculty of Graduate
Studies and Research)*

Carissa Deanne Brown

B.Sc.

Biology
The Effects of Historical Land Use on
Woodlot Vegetation in Eastern
Ontario, Canada

Amanda Friis Dam

B.Sc.

Biology
Landscape Structure Affects
Different Eastern Ontario Anuran
Species at Different Spatial Scales

Keqin Yan

B.Sc., M.Sc.

Biology
Glucose Regulated Protein and
Heat Shock Protein Expression in
Hibernating Mammals

Jun Du

B.Sc., M.Sc.

Chemistry
Anti-Apoptotic and Antioxidant
Defenses in the Freeze Tolerant Wood
Frog, *Rana Sylvatica*

Catherine Anne Murimboh

B.Sc.

Chemistry
New Insights on the Chemical
Speciation of Nickel and Copper in
a Naturally Metal-Rich Soil from the
Thetford Mines Area, Quebec

Laura Stuart

B.Sc.

Chemistry
Stereochemical Analysis of Naturally
Occurring Cyclopropyl Fatty Acids

Wanda Michelle Carter

B.Sc.

Earth Sciences
Field Relationships, Petrology,
Geochemistry, and Petrogenesis of
Quartz Dioritic Magmas, Whistle
Offset, Sudbury Structure, Canada

Andrew Mark Lindsay

B.A.

Geography
Comparison of Three Field Methods
for Forest Canopy Closure Modelling
with Landsat Imagery

Jonathan Pasher

B.Sc.

Geography
Modelling and Mapping Potential
Hooded Warbler (*Wilsonia citrina*)
Habitat Using Remote Sensing

Birgit Aagaard Woods

B.Sc.

Geography
Geo-Visualization for Geo-Science
Education

Mohammad Reza Nassaji-Matin

B.Sc.

Information and Systems Science
Using R-ACM Method in QOS-Based
Routing

Lili Qi

B.Med.

Information and Systems Science
Evaluation of an Artificial Neural
Network Tool for Neonatal Intensive
Care Units

Baohua Zhang

B.Sc.

Information and Systems Science
SDP Based Simulated Annealing on
Bandwidth Reservation with Multi-
Path Routing

Waleed Amareen

B.Sc., M.Sc.

Mathematics

Orly Brion

Dip., M.Sc.

Mathematics

Xiaohong Chen

B.Sc., M.Sc.

Mathematics

David Gains

B.Math.

Mathematics
Monoid Pictures and Finite
Derivation Type

Yunze Hao

B.Eng.

Mathematics

Rong Huang

B.Sc.

Mathematics

Elena Tipenko

B.Math.

Mathematics

Nishard Abdeen

B.Sc., M.D.

Physics
Specialization in Medical Physics
Measurement of Xenon Diffusing
Capacity by Hyperpolarized ^{129}Xe
MR Imaging and Dynamic
Spectroscopy in Rats with
Stachybotrys Chartarum Spore
Induced Pneumonitis

Lourdes Maria Garcia-Fernández

B.Sc.

Physics
Specialization in Medical Physics
Fitting the Linear-Quadratic Model
to Detailed Data Sets for Different
Dose Ranges

Louise Anne Heelan

B.Sc.

Physics
Specialization in High Energy
Physics
A Search for Periodic Time Variations
in the Solar Neutrino Data From the
Sudbury Neutrino Observatory

Elena Tonkopi

B.Sc.

Physics
Specialization in Medical Physics
Monte Carlo Investigation of the
Influence of Ion Chamber Response
on In-Air Measurements in
Megavoltage Photon Beams

Carys Alana Carrington

B.Sc.

Psychology
Specialization in Neuroscience
Anti-Epileptic Effect of Low
Frequency Stimulation Using the
Kindling Model

Patrick Clancy Gilbride

B.Sc.

Psychology
Specialization in Neuroscience
Behavioural Limits of Auditory
Temporal Resolution in the Rat:
Duration Discrimination and the
Role of the Ventral Nucleus of the
Lateral Lemniscus

Kathy Michaud

B.Sc.

Psychology
Specialization in Neuroscience
Relations Between Early Life
Bonding and Adverse Experiences
with Both Symptoms of Depression
and Diurnal Cortisol Patterns:
Contributions of Contingencies of
Self-Worth and Coping

Priya Prakash

B.Sc.

Psychology
Specialization in Neuroscience
Neuroendocrine and Behavioural
Alterations Elicited by Chronic
Unpredictable Stressor Challenges
in Stressor-Susceptible and Resilient
Mouse Strains

Master of Computer Science

(presented by Professor Roger Blockley,
Dean of the Faculty of Graduate
Studies and Research)

Eric Gervais

B.C.S.

Dynamap, A Mobile and Context-
Aware Pedestrian Navigation
Application

Mohammad Abdul Mannan

B.Sc.

Secure Public Instant Messaging

Meenal Nagappan

B.Sc.

Aspect-Oriented Refactoring to
Patterns

Mark Joseph Northcott

B.C.S.

Managing Dependencies and
Constraints in Assembled Software
Systems

Smitha Srinivasan

B.Eng.

A Frame-Based Arbitration
and Scheduling Technique for
Multiprocessor Video-On-Demand
Systems

Miloš Stojmenović

B.C.S.

Daming Xu

B.Sc., M.Sc.

Well-Separated Pair Decompositions
for Doubling Metric Spaces

Master of Architecture

*(presented by Professor Roger Blockley,
Dean of the Faculty of Graduate
Studies and Research)*

Dina Kasim Alhussaini

B.Arch.St., B.Sc.

Design in Nature and Architecture

Tommy R. Bonhomme

B.Arch.St.

Generating a Contemporary
Sustainable Landscape

Roberto Campos

B.Arch.St.

Drawing: A Palimpsest for
Architecture

Frank Chang

B.Arch.St.

Mediation

Rebecca Fernando

B.Arch.St.

Temporary Road

Jayant Gupta

B.Arch.St.

Resisting the Reign of Technocracy:
The [Re]turn Towards Civic Space

James Arthur Hayes

B.Sc.

Digital Fabrication in the Production
of Affordable Housing

Bobby Ilg

B.E.D.

Stories I Must Tell: An Architectural
Exploration

Loretta Hew Yan Kong

B.Arch.St.

Building Upon Weakness: Exploring
the Productivity of Weak
Architecture

Janouque LeRiche

B.Arch.St.

Between Time and Timbuktu: The
Subversion of Meaning in
Architecture

Michelle Dawn Lee

B.Arch.St.

Infiltrating Montréal Through the
Apartment-Hotel: The Anticipated
Mystery and Strange Familiarity of
Inhabiting the Visited City

Dan Levin

B.Arch.St.

Engaging the Highway: Highway
Infrastructure and the Contemporary
City

Eric Li

B.Arch.St.

Do Utopias Require Fire Exits?

Amanda B. McDonald

B.Arch.St.

Housing Memory

Ryan Angus McLennan

B.Arch.St.

The Architecture of Hysteria:
Speculative and Analytic
Representations Through the
Anamorphic Lens

Michael J. Miller

B.Arch.St.

The Consumption of Mortality

Jason Peter Morgan

B.Arch.St.

The Big-Box in the Small Town

Hai Ha Nguyen

B.Sc.

Sense of Home

Grant Thomas Oikawa

B.Arch.St.

Anachronistic Space and an
Architecture of Allegory

Padmavathi Parthasarathy

B.Arch.

Evolutionary City and the New
Media An Exploration of the City of
Delhi

Raj Rana

B.Arch.

The Architecture(s) of Nation-
Building

Mark Tyson Rosen

B.Arch.St.

Animate Experience
The Architectural Potential of Digital
Media in Duration

Patricia Salik

B.Arch.St.

Totum ex Parte

Benjamin Mark T. Thomas

B.Arch.St.

The "Playground" Project

Tam Tran

B.Arch.St.

Reflections on Water: Community
Productions in Cai Lay, Vietnam

Nicholas Waissbluth

B.Arch.St.

Practices of the Event

Bachelor of Architectural Studies

*(presented by Professor M. Frascari,
Director of the School of Architecture)*

John N. Blas-Cabezas

Jonathan Lackner

with high distinction

Hin Sing Mak

Krzysztof Ryszard Michalik

Alexander Smyth

Bachelor of Engineering

*(presented by Professor S.A. Mahmoud,
Dean of the Faculty of Engineering and
Design)*

AEROSPACE

Milenka Mitrović

with distinction

Senthil K. Sinnadurai

CIVIL

Adewunmi Olufunbi Ashaye
Concentration in Management

COMMUNICATIONS

Yashar Dastafshar

Mohammed Houache
Co-operative Education
with distinction

Bassam Sanaallah

COMPUTER SYSTEMS

Taemoor Abbasi
Co-operative Education
with distinction

Casey Billett

Gloria Dian Greene

Thanasiri Muttulingam
Co-operative Education
with distinction

Paul Willis Richardson

Yang Guang Sun

David Edward Valentiate
Co-operative Education
with distinction

ELECTRICAL

Subarajah Arasalingam

Mohammed Mostafa Chowdhury

Milan Ducic
Minor in Economics

Mohamed Walid Elabd

Aff Mohammed Hasan
with distinction

Ronak Jahangiri

Dohyoung Lee
with high distinction

Mohamad Najm

Pratheepan Rajadurai

Satheesan Rajadurai

Akram Adnan Saleh

Ahilan Sathiabal

Yasotha Thavarajah

MECHANICAL

Mark Stephen Hartley
with distinction

SOFTWARE

Ayush Shrestha

Bachelor of Science (Honours)

*(presented by Professor J.-G. Godin,
Dean of the Faculty of Science)*

Mohamed Abdi
Honours
Psychology

Brenda Lee Bailey
Highest Honours
Environmental Science
Minor in Geographic Information
Processing
Co-operative Education

Patricia Beaudin
Honours
Integrated Science Studies

Eugenia Maria Escamilla-Duarte
Honours
Environmental Science

Yamini Gopalapillai
Highest Honours
Biochemistry and Biotechnology
Co-operative Education

Jing Hua Huang
Honours
Biochemistry and Biotechnology

Iain M. Johnston
Honours
Chemistry and Physics

Erika Lindig
Honours
Psychology

Matthew James MacDonald
Honours
Psychology

Patricia Mattice
Honours
Biology

Alison Margaret Holmes Moore
B.Sc.
Honours
Psychology

Nadia Mykytczuk
Highest Honours
Environmental Science
Minor in Geography: Resource and
Environmental Assessment
Co-operative Education

Rachel Anita Oommen
Highest Honours
Integrated Science Studies

Mark Pereira
High Honours
Chemistry

Rebecca Julia Sadler
Highest Honours
Biochemistry
Co-operative Education

Graydon Alexander Snider
Highest Honours
Chemistry
Minor in Mathematics

Jonathan Richard Waldron
Honours
Mathematics and Physics

Kerri Jean Widenmaier
Highest Honours
Environmental Science
Minor in Biology
Co-operative Education

Jennifer Zymantas
Highest Honours
Biochemistry

Bachelor of Science

*(presented by Professor J.-G. Godin,
Dean of the Faculty of Science)*

Valerie Dibowski
Integrated Science Studies

Jonathan Jacques Fernand Farley
B.A.
Integrated Science Studies

Amy Irene Hiromi Hrdina
Chemistry

Ka Bo Joe Li
Integrated Science Studies

Nga Wai Grace Luras Mok
Integrated Science Studies

Crystal Jane Perrier
Biology

Sivachelvi Selvaratnam
Integrated Science Studies

Bachelor of Mathematics (Honours)

*(presented by Associate Professor
M.J. Moore, Associate Director of the
School of Mathematics and Statistics)*

Ashah Al Barrak
High Honours
Mathematics

Adrian Chong
B.Math.
Honours
Computer Mathematics: Information
Technology

Alexei Chugunov
Honours
Computer Mathematics: Information
Technology

Lin Ma
Honours
Statistics

Thuy Khanh Van Nguyen
Honours
Computer Science and Mathematics
Specialization in Computing Theory
and Numerical Methods

James Alexander Overton
B.Hum., M.A.
Highest Honours
Mathematics

Bachelor of Mathematics

*(presented by Associate Professor
M.J. Moore, Associate Director of the
School of Mathematics and Statistics)*

Jordan David Bernick
Statistics
with distinction

Steven Patrick Burchill
Computer Mathematics

Ayan Ali Haji Egeh
B.Sc.
Mathematics

Gabriel Weah Jikpamu
Mathematics
Specialization in Applied Analysis

Hing Fung Lau
Mathematics

Frederick Richard Manfredi
Computer Mathematics

Kay Kin Yee Pang
Statistics

Mohammed Rahman
Computer Mathematics

Zhe Shen
Mathematics

Mangalagowry Thanikasalam
Computer Mathematics

Hiu-Shan Venus Tong
Mathematics

Thu Tran
Computer Mathematics

Ravendran Yogarajah
Computer Mathematics

Bachelor of Computer Science (Honours)

*(presented by Professor D. Howe,
Director of the School of Computer
Science)*

Vladimir Bradateanu
Honours
Software and Computing
Minor in Mathematics

David Finley Burris
High Honours
Software and Computing
Minor in Japanese
Co-operative Education

Jimin Chang
Honours
Software Engineering
Minor in Mathematics

Darcy James Dunne
High Honours
Software and Computing

Sophia S. W. Ho
Honours
Management and Business Systems

Xiaoju Ji
High Honours
Software and Computing
Co-operative Education

Matthew Alan Krull
Honours
Software and Computing

Ke Li
Highest Honours
Software and Computing
Minor in Mathematics

Yi Lin
Highest Honours
Software and Computing
Co-operative Education

Owen Frederick Marsh
High Honours
Software and Computing
Minor in Psychology

Gabriella Moroiu
High Honours
Software Engineering

Scott A. Moynes

Highest Honours
Network Computing
Co-operative Education

Srisuganthu Sandrasegaram

Honours
Software and Computing

Mei Tang

Highest Honours
Software and Computing
Co-operative Education

Robert Tang

Honours
Information Systems Security
Minor in Mathematics
Co-operative Education

Xiaokui Tong

Highest Honours
Software and Computing
Co-operative Education

Yu Wang

Honours
Software and Computing
Minor in Mathematics

HoKing Xu

Highest Honours
Software Engineering
Minor in Economics

Ning Zhou

Highest Honours
Software and Computing
Co-operative Education

*The following additions and/or corrections were made
by Senate after publication of the 2005 Spring
Convocation Program*

Master of Arts

Ke Xu
B.Econ.
Economics

Hong Zhao
B.A.
Applied Language Studies

Master of Applied Science

Alexandre F. Sauve
B.Eng.
Electrical Engineering
Automating the Application
Design Patterns Based on UML Models

Bachelor of Social Work (Honours)

Candace Hogg
Highest Honours

Christa Noel
High Honours

Bachelor of Arts (Honours)

Jeffrey Ryan Hebert
History

Jonathan Logan Karpetz
Film Studies

Bachelor of Arts

Ahlam Abdi Abdillahi
Economics

Amal Khalid Ahmed
Criminology and Criminal Justice
(Law)

John W. Ekholm
Psychology
with distinction

David Albert Parkinson
Political Science
(Public Affairs and Policy Analysis)

Catherine Irene Mary St. Louis
English

Joanna Kelly Whitney
Law
with distinction

Caroline Elizabeth Gowdy Williams
English
with distinction

Bachelor of Commerce (Honours)

Pinar Ozdemir

Leslie McMillan

Mei Ling Ye

Bachelor of Engineering

Yanyun Lu

Bachelor of Journalism (Honours)

Shannon Paige Montgomery

Neal R. O'Reilly

Bachelor of Humanities (Honours)

Karla Ann Turkowsky

Senate Medal

Shannon Paige Montgomery
Bachelor of Journalism
Highest Honours

Medallists in the Graduating Class

The Governor General's Medal – Graduate Level

Awarded annually to the student standing at the head of the graduating class at the graduate level.

Donor: Her Excellency the Governor General of Canada

Madonna Rose Maidment

Doctor of Philosophy

Sociology

The Chancellor's Medal

Awarded in the name of the Chancellor of the University to a graduating student of outstanding academic achievement.

Graydon Alexander Snider

Bachelor of Science

Highest Honours

Chemistry

Minor in Mathematics

University Medal for Outstanding Graduate Work – Ph.D. Level

Awarded, when merited, for outstanding graduate work at the doctoral level.

Clint T. Curle

Doctor of Philosophy

Political Science

University Medal for Outstanding Graduate Work – Master's Level

Awarded, when merited, for outstanding graduate work at the master's level.

Natalie M. Nakhla

Master of Applied Science

Electrical Engineering

University Medals (Undergraduate)

Awarded, when merited, to the graduating students standing highest in architecture, architectural studies, arts, commerce, computer science, engineering, humanities, industrial design, interfaculty studies, international business, journalism, mathematics, music, public administration, public affairs and policy management, science, and social work.

University Medal in Architectural Studies

Jonathan Lackner

Bachelor of Architectural Studies

With High Distinction

University Medal in Arts

Benjamin John Liston

Bachelor of Arts

Highest Honours

English

Minor in History

University Medal in Arts

Caleb Lloyd

Bachelor of Arts

Highest Honours

Psychology

University Medal in Commerce

Veronika Alexa Burda

Bachelor of Commerce

Highest Honours

Concentration in Accounting

University Medal in Computer Science

Mei Tang

Bachelor of Computer Science

Highest Honours

Software and Computing

Co-operative Education

University Medal in the Humanities

Maria Elizabeth Gruending

Bachelor of Humanities

Highest Honours

Minor in Political Science

University Medal in Interfaculty Studies

Rachel Anita Oommen

Bachelor of Science

Highest Honours

Integrated Science Studies

University Medal in Mathematics

James Alexander Overton

Bachelor of Mathematics

Highest Honours

Mathematics

University Medal in Music

Alnoor Allidina

Bachelor of Music

Highest Honours

B.C.S.

University Medal in Science

Nadia Mykytczuk

Bachelor of Science

Highest Honours

Environmental Science

Minor in Geography: Resource and Environmental Assessment

Co-operative Education

Senate Medals

Awarded, when merited, to graduating students of outstanding academic achievement.

Doctoral Level

Saied Hemati

Doctor of Philosophy

Electrical Engineering

Yuliya Martsynyuk

Doctor of Philosophy

Mathematics

Heidi Marie Rimke

Doctor of Philosophy

Sociology

Devrim Sezer
Doctor of Philosophy
Political Science

Master's Level

Wanda Michelle Carter
Master of Science
Earth Sciences

May Chazan
Master of Arts
Geography

Aaron Kombai Knoll
Master of Applied Science
Aerospace Engineering

Kevin Lloyd Young
Master of Arts
Political Science

Undergraduate Level

Sasha Jade Baskerville
Bachelor of Humanities
Highest Honours
Humanities and Classics and Religion

Ann Belinda Boekhoven
Bachelor of Arts
Highest Honours
Child Studies

Peter Sye Dykstra
Bachelor of Humanities
Highest Honours

Yamini Gopalapillai
Bachelor of Science
Highest Honours
Biochemistry and Biotechnology
Co-operative Education

Yi Lin
Bachelor of Computer Science
Highest Honours
Software and Computing
Co-operative Education

Scott A. Moynes
Bachelor of Computer Science
Highest Honours
Network Computing
Co-operative Education

HoKing Xu
Bachelor of Computer Science
Highest Honours
Software Engineering
Minor in Economics

Jennifer Zymantas
Bachelor of Science
Highest Honours
Biochemistry

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